# Original/Duplicate/Triplicate
# CONTRACT CERTIFICATE

No. *First & Final* (For Other Works) SBR - 272/14-15 Date.....2014

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Kodigehalli** dt 30/12/14

Bill Received No. A/c Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 008-11-000062**

Schedule Docket No. Head of Account: **Est.Cost: 7.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Improvements to Roads and Drains from Kodigehalli Road to Muthuraya Swamy Temple Road in Ward No. 08, Kodigehalli Sub Division.**

Name of Contractor and Full Address: ***Sri. Aswathanayarayana Anjanappa, Contractor, # 38, Channappa Layout, Sharadamba Nagara, Jallahalli Village, Bangalore – 560 013.***

Reference to Agreement No. **EE/BTP/BBMP/ E-PMT/04(12207)/WO/105/2014-15** Date: 15-12-14

Certified that the measurements were taken by me on 25-12-14 and recorded of **Pages** 256 **to** 608 of measurement Book No. 2567 and that the work is satisfactorily executed.

Contractor

**Officer-in-charge of work**

Certified that the measurement were taken by me on 25-12-14 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

**Sub-Division Officer**

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

II Memorandum of Payment

| | | Amount |
|---|---|---|
| 1) | Total value of work done or supplies made as per account within | 729256=00 |
| 2) | Deduct amount to be held in reserve being .....percent Rs..... | IT 7293=00 |
| 3) | " Balance | VAT 29170=00 |
| 4) | Deduct Payment: | |
| a. | Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... | 1st & Final Bill 410109=00 |
| | adjusted towards cash advance recovery of | WC 7293=00 |
| b. | Payments Now made: cost store or other material supplied. | CESS 729=00 |
| | recovery of amount creditable to this/other work | Roy 13454=00 |
| | Amount paid on this bill Cheque / Cash. | Total ded 98048=00 |
| 5) | Balance being unpaid value of work done held in reserve. | |
| 6) | Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. | |
| 7) | Net amount due to or from Contractor unadjustments items. | |
| 8) | Advance to Contractor for materials brought to site (as detailed) within. | |
| 9) | Value of Government materials supplied. | |
| | Total amount adjusted - | By Cheque 631208=00 |

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Stamp

729256=00

98048=00

631208=00

**Initials of Officer making payment**

**Executive Engineer**

| Sl. No. | | Unit |
|---|---|---|
| 1 | Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work | Cum |
| | Qty above 125% | |
| 2 | Removing B.S. Slab Drain and stacking etc complete as per specifications and directions of engineer in charge of the work | Sqm |
| 3 | Refixing stone slabs of drains and pointing in CM (1:3) etc complete as per specifications and directions of engineer in charge of the work | Sqm |
| 4 | Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | Cum |
| | Qty above 125% | |
| 5 | Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work | Cum |
| 6 | Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work | Sqm |
| 7 | Providing and laying in position plain cement concrete of mix **M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | Cum |
| 8 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work | Sqm |
| 9 | Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in **foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return** walls, wall (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | Cum |
| | Qty above 125% | |
| 10 | Providing **TMT steel reinforcement for** R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work | Qnt |
| 11 | Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) etc complete as per specifications and directions of engineer in charge of the work | Cum |
| 12 | Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work | Cum |
| 13 | Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing etc complete as per specifications and directions of engineer in charge of the work | Sqm |
| 14 | Providing and applying primer coat from 12.2 to 14.6kg per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back M.C.-70 or any other bitumen mixed with diesel at 13 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work | Sqm |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| - | - | 71.81 | 95.25 | 6840.00 | 71.81 | 6840.00 | |
| - | - | 1.69 | 111.12 | 188.00 | 1.69 | 188.00 | |
| - | - | 0.00 | 52.61 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 73.53 | 0.00 | 0.00 | 0.00 | |
| - | - | 3.75 | 4504.95 | 16894.00 | 3.75 | 16894.00 | |
| - | - | 74.10 | 5088.91 | 377088.00 | 74.10 | 377088.00 | |
| - | - | 0.00 | 4558.41 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 80.13 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 4924.56 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 284.61 | 0.00 | 0.00 | 0.00 | |
| - | - | 5.18 | 5921.16 | 30672.00 | 5.18 | 30672.00 | |
| - | - | 46.73 | 6367.94 | 297574.00 | 46.73 | 297574.00 | |
| - | - | 0.00 | 7822.72 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 174.62 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 1176.98 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 11.06 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 149.16 | 0.00 | 0.00 | 0.00 | |

| Sl. No. | | Unit |
|---|---|---|
| 15 | Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specificationsWith 60/70 grade bitumen using 40-60 HMP,etc complete as per specifications and directions of engineer in charge of the work | Cum |
| 16 | Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface-providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes etc complete as per specifications and directions of engineer in charge of the work | Sqm |
| 17 | Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. etc complete as per specifications and directions of engineer in charge of the work | Cum |
| | **Total** | |

**CERTIFICATE**

1. Certified that the above work done satisfactory and no materials issued from departmentally.

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| - | - | 0.00 | 10479.43 | 0.00 | 0.00 | 0.00 | |
| - | - | 0.00 | 495.51 | 0.00 | 0.00 | 0.00 | |
| - | - | 73.50 | 0.00 | 0.00 | 73.50 | 0.00 | |
| | | | | **729256.00** | | **729256.00** | |

D.K. Madhusudhan

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.